

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

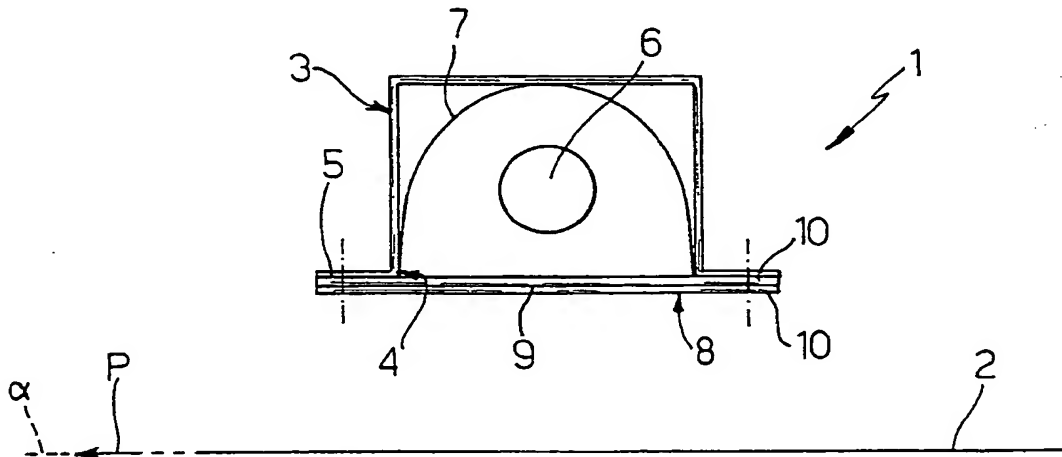
(19) World Intellectual Property Organization  
International Bureau(43) International Publication Date  
18 September 2003 (18.09.2003)

PCT

(10) International Publication Number  
**WO 03/076273 A1**

- (51) International Patent Classification<sup>7</sup>: **B65B 55/08**, A61L 2/10
- (21) International Application Number: PCT/EP03/02471
- (22) International Filing Date: 11 March 2003 (11.03.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:  
TO2002A000215 12 March 2002 (12.03.2002) IT
- (71) Applicant (for all designated States except US): **TETRA LAVAL HOLDINGS & FINANCE SA** [CH/CH]; Avenue Général-Guisan 70, CH-1009 Pully (CH).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **POPPI, Luca** [IT/IT]; Via Piemonte, 1, I-41043 Formigine (IT). **MORUZZI, Guido** [IT/IT]; Via Venezia, 10, I-40068 S. Lazzaro di Savena (IT). **BENEDETTI, Paolo** [IT/IT]; Via Malatesta, 21, I-41100 Modena (IT).
- (74) Agents: **JORIO, Paolo et al.**; Studio Torta S.r.l., Via Viotti, 9, I-10121 Torino (IT).
- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
- with international search report
  - before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DEVICE FOR TREATING A PACKAGING MATERIAL BY MEANS OF UV RADIATION



(57) **Abstract:** A device (1) for treating a packaging material (2) by means of UV radiation, the device having a source (6) of such radiation, and a protective screen (8) interposed between the source (6) and the material (2) for treatment; the screen (8) has a film (9) of a polymer resistant and permeable to UV radiation, and which is flexible, does not tear, and does not form fragments.